

Appl. No. 10/506,757
Amdt. dated January 4, 2006
Reply to Office Action of October 4, 2005

IN THE SPECIFICATION:

Please replace title of the specification with the following amended title:

CENTRIFUGAL SEPARATOR WITH CONICAL PUMP INLET

Please replace paragraph 0029 with the following amended paragraph.

[0029] The apex angle of the conical body 30 is about 700, i.e. the generatrix of the conical pumping surface 31 forms an angle of about ~~35° 351~~ with the rotational axis R of the rotor. This has proved to give a maximum liquid flow upon rotation of the pumping member at a certain speed.

Please replace paragraph 0033 with the following amended paragraph.

[0033] When the pumped liquid layer on the surface 31 has reached the opening 32 in the rotor body 14, the layer flows further by means of the centrifugal force into the passages 34 serving as a receiving space in the centrifugal rotor for the mixture of of ~~[[6f]]~~ water and oil. Through the passages 34 the liquid mixture flows further into the separation chamber 15, while being kept in rotation with the same rotational speed as the rotor body 14. The oil and the water are separated and form one layer each in the separation chamber 15, as shown in FIG. 2. Two small triangles show the boundary layer between air and oil (the radially inner triangle) and the boundary layer between oil and water (the radially outer triangle), respectively.